"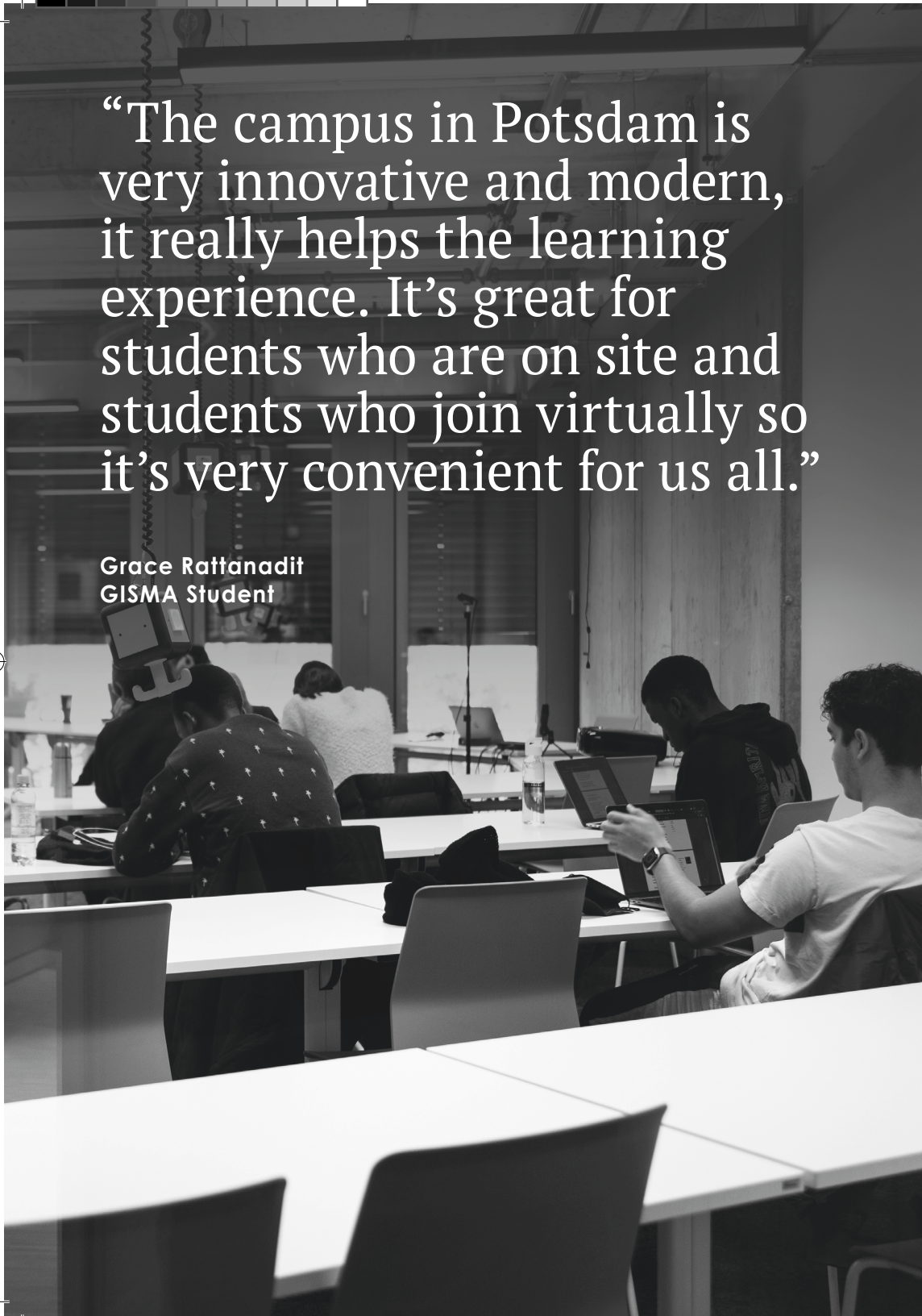The campus in Potsdam is very innovative and modern, it really helps the learning experience. It's great for students who are on site and students who join virtually so it's very convenient for us all."
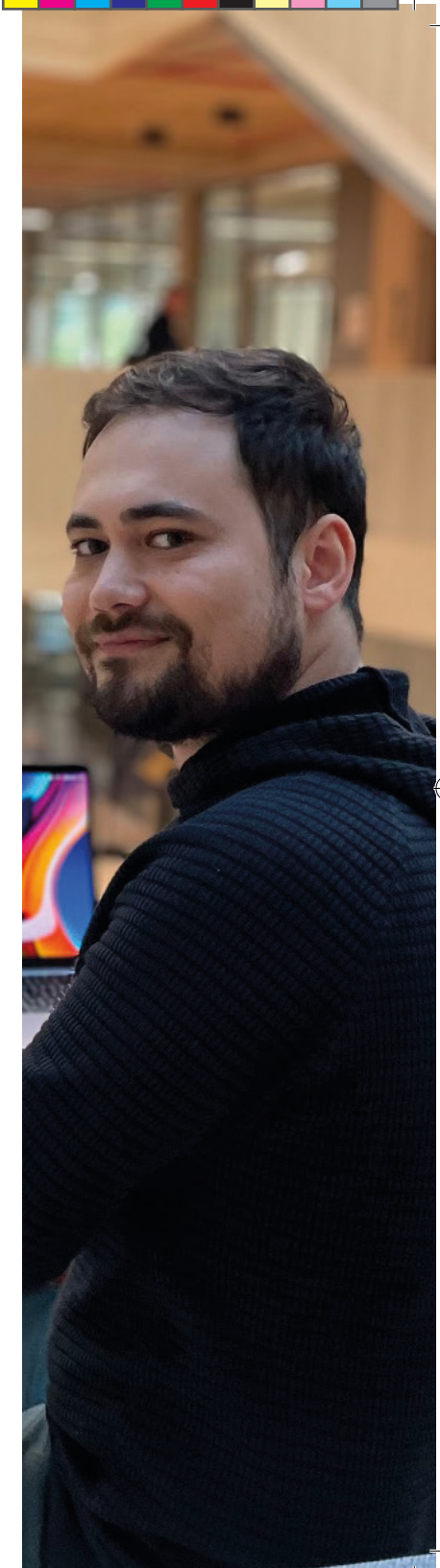
**Grace Rattanadit
GISMA Student**

# GISMA
## BUSINESS SCHOOL

# MEng
## Computer Science

**Whether it's building complex IT systems or being at the forefront of Web3 development; with an MEng Computer Science degree from GISMA, your possibilities are limitless.**

**Get in touch**

GISMA Business School, Think Campus,
Konrad-Zuse-Ring 11, 14469 Potsdam
T:  +49 (0)511 54609-0
E:  info@gisma.com
**gisma.com**

**This application-oriented engineering master's degree programme in Computer Science will equip you with in-depth skills and knowledge in the application of algorithms, programming, and machine learning in the context of real-world business problems.**

A key component of the programme is the concept of "computational thinking." As a student at GISMA University of Applied Sciences, you will be taught how to use abstraction and decomposition to tackle large complex tasks, design large complex systems, and analyse large data sets.

When combined with project and innovation management, as well as technology consulting, this provides the foundation for demanding specialist and management tasks in a wide range of information technology and complementary fields, up to and including self-employment.

**Why study at GISMA?**
GISMA Business School is a state recognised University of Applied Sciences which also benefits from AMBA accreditation which was awarded for our Global MBA, an honour shared by only 6 business schools in Germany and 2% of all business schools worldwide. The prestigious AMBA accreditation represents innovation and excellence in education, which is core to our values at GISMA.

**What you will learn?**
Our MEng Computer Science degree programme is a dynamic and specialised programme that covers all the key areas of this in-demand specialism, from business technology consulting and advanced mathematics to advanced programming and databases, ensuring that you will

graduate with the knowledge, skills, and practical experience to thrive in your career in the field.

**How will you study?**
GISMA Business School supports flexible and individual learning by applying a systematic hybrid learning scheme.

You will spend part of your lectures in class at our Potsdam campus. These face-to-face phases are complemented by e-learning sessions. You will work on cases, reflect on readings, take part in online discussions, and participate in group exercises and projects. This variety of learning methods is part of our unique teaching strategy, which includes student-centred pedagogy, project-based learning, collaborative learning, and personalised coaching.

Our course is available to study both full-time and part-time. The standard period of study is two years full-time, part-time correspondingly longer. You may be eligible to shorten the study period to one or one and a half years depending on your relevant work experience or previous education.

**Career progression**
Computer technologies are integral to modern day life and are essential to nearly any modern business. Graduates are likely to be in high demand across many industries, including IT, software engineering, information technology, web design, and more.

After studying a degree in computer science, potential graduate opportunities include:

- App/games developer
- Web developer
- Information systems manager
- IT consultant

- Multimedia programmer
- Network engineer
- Software developer

Our dedicated Career Centre will help students fulfil their career goals through a variety of specialised services and establishes long-lasting relationships with alumni and employers.

## Course modules

**Subject Specific Competencies**
- Business Technology Consulting
- Advanced Mathematics
- Computer Programming
- Advanced Algorithms
- Advanced Programming
- Advanced Databases
- Machine Learning
- Computer Science Application Lab
- Business Project in Computer Science

**General Business Competencies**
- Project Management
- Innovation Management and Digital Transformation
- CSR, ESG and Ethics

**Action and Intercultural Competencies**
- Ethical Issues for AI
- Study abroad or Internship or Business Project

**Scientific and Methods Competence**
- Scientific Work for Computer Science
- Research Seminar
- Master Thesis

**Campus:** GISMA Potsdam campus
**Study mode:** Full-time or part-time
**Start date:** January, April, July and October
**Duration:** From 12 months

**Qualifications**
- Bachelor's degree in a relevant discipline (business, economics or social sciences, psychology, law, engineering, computer science, or closely related sciences)
- English proficiency: IELTS (or equivalent) 6.0 overall, no less than 5.5 in any component
- Ability to prove required mathematical skills

**Application documents**
- Completed application form
- Personal statement
- Passport copy / ID (can be identity card for EU students)
- Proof of bachelor's degree (certified copy; foreign language certificates must be accompanied by a German or English translation)
- Proof of required English language skills

**Pricing**

|  | Total Tuition Fees 1 Year Programme | Total Tuition Fees 2 Year Programme | Early Bird Discount Offer* |
|---|---|---|---|
| **EU & Germany** | € 13,000 | € 17,000 | 20% |
| **International** | € 15,500 | € 20,000 | 20% |

Regional discounts are available for CIS, MENA and LATAM regions. Please get in touch for more information.

*Early bird offer for applications submitted at least 8 weeks before orientation date.